

07-31-01

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UTILITY  
PATENT APPLICATION  
TRANSMITTAL

Attorney Docket No. 3819-011108

First Inventor Craig E. Boutilier

Title "Stochastic Local Search for Combinatorial Auctions"

(Only for new nonprovisional applications under 37 CFR 1.53(b))

Express Mail Label No. EL562441236US

## APPLICATION ELEMENTS

See MPEP chapter 600 concerning utility patent application contents.

1. ☒ Fee Transmittal Form (e.g., PTO/SB/17)  
(Submit an original and a duplicate for fee processing)
2. ☒ Applicant claims small entity status.  
See 37 CFR 1.27.
3. ☒ Specification [Total Pages 19]  
(preferred arrangement set forth below)
  - Descriptive title of the invention
  - Cross Reference to Related Applications
  - Statement Regarding Fed sponsored R & D
  - Reference to sequence listing, a table, or a computer program listing appendix
  - Background of the Invention
  - Brief Summary of the invention
  - Brief Description of the Drawings (if filed)
  - Detailed Description
  - Claim(s)
  - Abstract of the Disclosure
4. ☒ Drawing(s) (35 U.S.C. 113) [Total Sheets 3]
5. Oath or Declaration [Total Pages 4]
  - a. ☒ Newly executed (original or copy)  
Copy from a prior application (37 CFR 1.63 (d))
  - b. ☐ (for continuation/divisional with Box 18 completed)
    - i. ☐ DELETION OF INVENTOR(S)  
Signed statement attached deleting inventor(s) named in the prior application, see 37 CFR 1.63(d)(2) and 1.33(b).
6. ☐ Application Data Sheet. See 37 CFR 1.76

## ADDRESS TO:

Assistant Commissioner for Patents  
Box Patent Application  
Washington, DC 20231

7. ☐ CD-ROM or CD-R in duplicate, large table or Computer Program (Appendix)
8. Nucleotide and/or Amino Acid Sequence Submission (if applicable, all necessary)
  - a. ☐ Computer Readable Form (CRF)
  - b. Specification Sequence Listing on.
    - i. ☐ CD-ROM or CD-R (2 copies); or
    - ii. ☐ paper
  - c. ☐ Statements verifying identity of above copies

## ACCOMPANYING APPLICATION PARTS

9. ☐ Assignment Papers (cover sheet & document(s))
10. ☐ 37 CFR 3.73(b) Statement of Power of Attorney (when there is an assignee)
11. ☐ English Translation Document (if applicable)
12. ☐ Information Disclosure Statement (IDS)/PTO-1449
13. ☐ Preliminary Amendment
14. ☒ Return Receipt Postcard (MPEP 503) (Should be specifically itemized)
15. ☐ Certified Copy of Priority Document(s) (if foreign priority is claimed)
16. ☐ Nonpublication Request under 35 U.S.C. 122 (b)(2)(B)(i). Applicant must attach form PTO/SB/35 or its equivalent.
17. ☒ Other: Check For \$355.00

18. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in a preliminary amendment, or in an Application Data Sheet under 37 CFR 1.76:

☐ Continuation ☐ Divisional ☐ Continuation-in-part (CIP)

of prior application No. \_\_\_\_\_

Prior application information

Examiner \_\_\_\_\_

Group Art Unit \_\_\_\_\_

For CONTINUATION OR DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.

## 19. CORRESPONDENCE ADDRESS

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7/30/01

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1131 U.S. PTO  
07/30/01PTO  
09/01/01PTO  
07/30/01

09918164-073001

**PATENT APPLICATION TRANSMITTAL LETTER**

Commissioner for Patents  
Washington, D.C. 20231

Transmitted herewith for filing is the patent application of: Craig E. Boutilier and Holger H. Hoos

Entitled: "Stochastic Local Search for Combinatorial Auctions"

Small Entity Status:

☐ Small Entity Statement under 37 CFR 1.27 is enclosed  
☒ Small Entity Status is asserted for this application under 37 CFR 1.27

Enclosed are: ☒ Application 19 pp.  
☒ Sheet/s of drawing/s 3 pp.  
☒ Declaration 4 pp.  
☐ Non-Publication Request Under 37 C.F.R. §1.213

**CLAIMS AS FILED**

	<u>No. Filed</u>	<u>No. Extra</u>	<u>Small Entity Rate</u>	<u>Non-Small Entity Rate</u>	<u>Charge</u>
Total					
Claims	<u>20</u>	<u>-20 = 0</u>	x \$ 9.00	x \$ 18.00	\$ <u>0</u>
Indep.					
Claims	<u>3</u>	<u>-3 = 0</u>	x \$ 40.00	x \$ 80.00	\$ <u>0</u>
Multiple Dependent Claim/s			+ \$135.00	+ \$270.00	\$ <u>0</u>
Basic Fee			+ \$355.00	+ \$710.00	\$ <u>355.00</u>
			Total of above Charges		\$ <u>355.00</u>
			Total Fee		\$ <u>355.00</u>

A check in the amount of \$ 355.00 is enclosed to cover the filing fee.

The Commissioner is hereby authorized to charge payment of any additional filing fees required under 37 CFR 1.16 or patent application processing fees under 37 CFR 1.17 associated with this communication to Deposit Account No. 23-0650. Please refund any overpayment to Deposit Account No. 23-0650.

An original and two copies of this sheet are enclosed.

July 30, 2001  
Date

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09918164 07001

PATENT APPLICATION

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

IN RE APPLICATION OF:

ATTORNEY'S DOCKET NUMBER

**CRAIG E. BOUTILIER**  
**HOLGER H. HOOS**

**3819-011108**

ENTITLED

**"Stochastic Local Search for Combinatorial Auctions"**

Box Patent Application  
Commissioner for Patents  
Washington, D.C. 20231

**EXPRESS MAIL CERTIFICATE**

"Express Mail" Label Number EL562441236US

Date of Deposit July 30, 2001

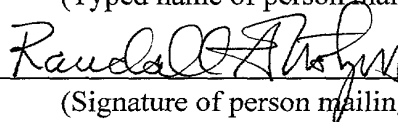
I hereby certify that the following attached papers and/or fee(s)

**UTILITY PATENT APPLICATION TRANSMITTAL (1p.); PATENT APPLICATION TRANSMITTAL LETTER (original and two (2) copies); SPECIFICATION (12 pp.); CLAIMS (6pp.); ABSTRACT (1p.); DRAWINGS (3 sheets); DECLARATION AND POWER OF ATTORNEY (4 pp); and a check in the amount of \$355.00**

are being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 C.F.R. §1.10 on the date indicated above and is addressed to the Commissioner for Patents, Washington, D.C. 20231.

Randall A. Notzen

(Typed name of person mailing paper or fee)



(Signature of person mailing paper or fee)

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